

ABSTRACT

A new type of invertible filter centrifuge is proposed, where a more compact construction is obtained and where the solids component is discharged substantially independently of its moisture content. The new type of invertible filter centrifuge has no filter cloth and comprises a centrifuging drum mounted rotatably in a drum housing with a drum wall enclosing a stationary, dimensionally stable filtering medium, a shaft driving the drum in rotation, a cover sealingly closing the open end of the drum at the edge of the drum, a feed means for suspension to be filtered, with a filling pipe leading into the interior of the drum, and a drum base arranged in the interior of the drum, the drum base and filtering medium or wall of the drum being axially displaceable relative to each other in order to discharge the solid constituent mechanically from the drum.